

What is claimed is:

1. A wrist time device, for detecting deleterious gases/molecules and displaying time/data, comprising a case for demarcating a space accommodated therein:
 - a control circuit unit, for processing data and time in accordance with a control signal and controlling operation of each members;
 - a display unit, for displaying said data and time;
 - a memory unit, for pre-storing spectra of specific gases/molecules;
 - an input unit, for input of the control signal to the control circuit unit to allow the control circuit unit to process the data and control the operation of each of members based on the control signal;
 - a timer unit, for providing time;
 - a battery, for providing working voltage to each member;
 - a micro gases/molecules detection unit, for performing real-time detection of gases/molecules flew in from the surrounding and generating spectra corresponding the gases/molecules; and
 - a spectra identification unit, for identifying the detected spectra of said gases/molecules based on the pre-stored spectra of specific gases/molecules and displaying data whenever there is a match.
2. The wrist time device as set forth in claim 1, further comprises a put-on device which is a watchband, necklace and the like for easy to carry along.
3. The wrist time device as set forth in claim 1, in which said data includes the name and concentration of said detected gases/molecules.
4. The wrist time device as set forth in claim 1, further comprises a beeper for beeping

whenever the detected spectra of said gases/molecules match the pre-stored spectra of specific gases/molecules.

5. The wrist time device as set forth in claim 1, in which said timer provides a time and an accumulated time of gases/molecules detection.
6. The wrist time device as set forth in claim 1, in which said display unit is a liquid crystal display.
7. The wrist time device as set forth in claim 1, further comprises a transmitting interface unit connected to said input unit so as to connect to other devices including personal computer, personal data assistant and the like for further data processing.
8. The wrist time device as set forth in claim 1, in which said transmitting interface unit is an infrared transmitter/receiver or other type of transmitter/receiver capable of performing bi-directional data transmission.
9. The wrist time device as set forth in claim 1, in which said specific gases/molecules includes volatile organic gas (VOCs), gas, marsh gas, methane (CH_4), hydrochloride (HCl), chlorine (Cl_2), carbon oxide (CO), hydrosulfur (H_2S), sulfate (H_2SO_4), oxynitride (NO_x), Dioxin, and at least one substance selected from a group of similar materials.
10. The wrist time device as set forth in claim 1, in which said spectra of detected gases/molecules is generated by means of a Fourier transform infrared (FTIR) interferometer or an differential optical absorptive spectroscopy (DOAS).